

ACOUSTIC REPORT

Ref. No. CS 6723

W H Smith Store 9 – 10 Harben Parade South Hampstead

12th January 2010

Prepared By:

John E Redknap MBA, MIOA, MCMI

Checked By:

David Whymark - Director

Client:

W H Smith c/o DTZ 1 Colmore Square Birmingham B4 6AJ

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FORWARD

New air conditioning equipment is proposed for this store with the external plant taking the form of four identical condensers mounted on the rear wall of the property. Conabeare Acoustics Limited has been commissioned to undertake an Environmental Sound Survey at this location.

The results of the survey will establish the Background Sound Level to enable checks to be made on the new plant in order that it will comply with planning requirements.

SUMMARY

The proposed plant is to operate between the hours of 09:00 to 18:00 hours Monday to Saturday and 10:00 to 16:00 hours on Sunday. The lowest measured Background Sound Levels $L_{A90.15MIN}$ during these periods were as follows:

50.6dB(A)	Friday 11 th Dec 2009
51.5dB(A)	Saturday 12 th Dec 2009
50.0dB(A)	Sunday 13 th Dec 2009
51.1dB(A)	Monday 14 th Dec 2009
51.7dB(A)	Tuesday 15 th Dec 2009
52.5dB(A)	Wednesday 16 th Dec 2009
	50.6dB(A) 51.5dB(A) 50.0dB(A) 51.1dB(A) 51.7dB(A) 52.5dB(A)





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1. Author

John E Redknap MBA, MIOA, MCMI

The author has been practising in noise control engineering since 1985. He has gained a wide range of experience over this period and is employed as a Sales Engineer for **Conabeare Acoustics Ltd.**

2. Client

The survey and report has been undertaken on behalf of:

W H Smith c/o DTZ 1 Colmore Square Birmingham B4 6AJ

3. Introduction

New air conditioning equipment is proposed for this store with the external plant taking the form of four identical condensers mounted on the rear wall of the property. Conabeare Acoustics Limited has been commissioned to undertake an Environmental Sound Survey at this location.

The results of the Environmental Sound Survey have been used as a datum so that acoustic calculations can be undertaken to determine the likely impact of the proposed new plant on the nearest sound sensitive location(s).

4. Noise Principles

The Environmental Sound Survey has been carried out in accordance with the principles of BS7445-1 (2003) to establish the existing Background Sound Levels. The Background Sound Level measured is in terms of A-weighted sound pressure level L_{A90} with a time interval of 15 minutes.



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5. The Site

The property is located at 9 -10 Harben Parade, South Hampstead, with the rear wall of the property facing on to a service area. A number of other tenants that also back on to the service area have installed various external condenser units on their rear walls and so the general ambient noise level in the area is expected to be a combination of existing plant noise, delivery lorries and local traffic noise.

6. Measurement Methodology

A SVAN 949 (Precision) Environmental Sound Level Analyser, fitted with an Electret Microphone was set up at the rear of the property. The microphone was clamped to an existing wall mounted frame at a height of approximately 3m, adjacent to the rear exit door to the store.

The survey was carried out from 12:10 hours on Friday 11th December 2009, until 13:10 on Wednesday 16th December 2009.

The Analyser was programmed to produce the following indices:

LAEQ-15min, LA90-15min, LA10-15min

Attached for your reference is a Glossary of these terms.

The analyser was checked for calibration before the survey commenced and at the end of survey with a CEL 284/2 Class 1 calibrator with no measurable deviation.

The weather was generally dry with partly cloudy skies at the start of the survey, with cold and wetter weather towards the end of the survey period.

Having reviewed the results of our survey, it is our opinion that the weather experienced over the survey period has not had any detrimental effect on the recorded readings and therefore on our recommendations.

7. Planning Noise Requirements

The Planning noise requirement of this area usually states, that any proposed plant should be at least 10dBA below the Background Sound level (L_{A90}) measured at 1 metre from the nearest effected residential property. Allowance should also be made for any tonal noise emanating from the proposed units.





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8. Assessment

The objective of any specification limiting sound should be to ensure that sound emissions from the proposed plant should not materially add to the existing ambient noise climate when measured 1m from the nearest effected property window.

The level at which the target should be set is normally specified by the planning authority in their planning consent conditions.

In the absence of any such specification, we would recommend setting a limit on the proposed plant sound level as follows, with the proviso that any sound produced by this plant must be quite free of any audibly evident, tonality or similar characteristics.

The proposed plant is to operate between the hours of 09:00 to 18:00 hours Monday to Saturday and 10:00 to 16:00 hours on Sunday. The lowest measured Background Sound Levels $L_{A90.15MIN}$ during these periods were as follows:

L _{A90-15min}	50.6dB(A)	Friday 11 th Dec 2009
L _{A90-15min}	51.5dB(A)	Saturday 12 th Dec 2009
L _{A90-15min}	50.0dB(A)	Sunday 13 th Dec 2009
L _{A90-15min}	51.1dB(A)	Monday 14 th Dec 2009
L _{A90-15min}	51.7dB(A)	Tuesday 15 th Dec 2009
L _{A90-15min}	52.5dB(A)	Wednesday 16 th Dec 2009

The current design policy of council planners is that noise produced by mechanical plant should be at least 10dB(A) below the background sound level at the nearest sound sensitive window. The combined sound level of all new plant when measured at this window during plant operating hours, perhaps with a 30minute start up/run down extension period, should therefore not exceed:

 $L_{A90-15min}$ 40dB(A)

The above limit should be achieved with all plant operating normally, any plant exhibiting characteristics which are tonal or intermittent in nature should be designed to criteria 5dB(A) more stringent than those levels shown above. Allowances should also be made for the additional effect of multiple noise sources – see our calculation sheet.

From the frequency analysis the proposed plant does not exhibit any distinct tonal characteristics and so the additional 5dB(A) penalty is not required.

We would therefore recommend that the proposed new plant should be designed to achieve a $L_{A90-15min}$ 40dB(A) level for the time periods indicated.





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The new plant is to be located on the rear wall of the premises as illustrated on the attached location drawing. From this location there are potentially two noise sensitive window positions to be considered. The first position would be the windows on the top floor of the flats above the W H Smith Store. The second position would be the windows in the block of flats opposite the rear wall of the W H Smith Store. These two locations are termed Assessment Locations 'A' and 'B' respectively.

Assessment Location A

The nearest noise sensitive residential window on the top floor of the flats above the W H Smith Store is referenced Assessment Location A and is marked accordingly on the attached calculation sheet. The flats themselves are estimated to be set back from the rear wall of the W H Smith Store by approximately 7.5m, and there are three floors above the top of the roof of the W H Smith Store. This wall/roof provides considerable acoustic screening to all of the flats, but the top floor flat receives the least amount and is therefore the most appropriate level to consider.

The centre of this window is estimated to be at a direct distance of 14m away from the proposed new plant. Our calculation sheet illustrates that at 1 metre from the window façade the Specific Sound Level would be 32dB(A) during the plant operating hours. This figure is below the proposed design target of 40dB(A) and may therefore in our opinion be likely to meet the planning requirements of the local authority.

Assessment Location B

The next nearest noise sensitive residential window would be in the flats opposite the rear of the W H Smith Store. This is referenced as Assessment Location B and is marked accordingly on the attached calculation sheet. The flats themselves extend over six floors and are estimated to be approximately 24m away from the rear wall of the W H Smith Store. They have direct line of sight to the proposed plant location on the rear wall of the property.

The centre of this window is estimated to be at a direct distance of 25m away from the proposed new plant, this includes an estimated 1m wide balcony. Our calculation sheet illustrates that at 1 metre from the window façade the Specific Sound Level would be 39dB(A) during the plant operating hours. This figure is just below the proposed design target of 40dB(A) and may therefore in our opinion be likely to meet the planning requirements of the local authority.

In our opinion all of the above would generally be acceptable to the local authority for this area, but all design targets should as a matter of course should be verified with the local Environmental Health or Planning Departments.

9. Sound Level Measurements

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The statistical readings obtained during the survey are attached to this report and are presented in both graphical and tabular form.

10. Glossary of Terms

L _{A90}	The sound pressure level in dB(A) which is exceeded for 90% of the time and is taken to be the effective lowest background sound level for the period by such methods of sound rating as that recommended in British Standard 4142. It will also be used as a basis for selecting limiting sound levels from new plant by Local Planning Authorities when setting Planning Consent Conditions.
L _{eq}	The "equivalent continuous sound level" for the measuring period, defined as the level in dB(A) which, if held constant over the measuring period, would produce the same amount of sound energy as does the actual varying ambient sound level. It is a measure of the amount of sound energy affecting the site from sources other than new plant or operations.
L _{A10}	The sound level exceeded for 10% of the time over the sample period. Originally used as a measure of subjective reaction to traffic noise in particular, it can also be taken as an indication of the practical maximum sound level that the building envelope will have to protect against.
dB(A)	Describes measured on a sound level meter incorporating a frequency weighting (A weighting) which differentiates between sounds of different frequency (pitch) in a similar way to the human ear. Measurements in dB(A) broadly agree with people's assessment of loudness. A change of 3dB(A) is the minimum perceptible under normal conditions, and a change of 10dB(A) corresponds roughly to halving or doubling the loudness of a sound.



CLIENT: DTZ		PROJECT: WH Smith Finchley Road									
	DATE: 8th January 2010										
Residential Flats Above Rear of P	roperty	Conabeare Acoustics ref: CS6658									
		Octave	e Band	Centre	Freque	ency (H	lz)				
Description	63	125	250	500	1K	2K	4K	8K	dB(A)		
LOCATION 'A' ASSESSMENT											
Toshiba RAV SP1402AT-E	SPL @ 1m	60	58	52	50	45	41	38	30	52	
Four identical units		6	6	6	6	6	6	6	6		
Combined Total - 4 units		66	64	58	56	51	47	44	36	58	
Additional Surface Reflections	One	3	3	3	3	3	3	3	3		
Distance 1m - 14m to nearest windo	W	-17	-17	-17	-17	-17	-17	-17	-17		
Screening via roof (delta = 0.52)		-9	-10	-13	-15	-17	-19	-20	-20		
Façade Correction		3	3	3	3	3	3	3	3		
SPL(A) @1m from receivers façad	le	46	43	34	30	23	17	13	5	32	
		Design Target at the nearest sensitive window = 4									
Additional Screening	None	0	0	0	0	0	0	0	0		
SPL(A) @1m from receivers façad	46	43	34	30	23	17	13	5	32		

CONABEARE ACOUSTICS LTD CALCULATION SHEET

<u>Notes</u>

Calculations are to the nearest sound sensitive window in the top floor flats above the rear elevation of the property No allowance has been made for any noise/vibration transfer through the structure Operating hours of plant: Mon - Sat 09:00 to 18:00 & Sun 10:00 to 16:00

CLIENT: DTZ	PROJECT: WH Smith Finchley Road										
	DATE: 8th January 2010										
Residential Flats Opposite Rear of Property	Conab	eare A	coustic	s ref:	CS665	68					
	Octave	Octave Band Centre Frequency (Hz)									
Description	63	125	250	500	1K	2K	4K	8K	dB(A)		
LOCATION 'B' ASSESSMENT											
Toshiba RAV SP1402AT-E SPL @ 1m	60	58	52	50	45	41	38	30	52		
Four identical units	6	6	6	6	6	6	6	6			
Combined Total - 4 units	66	64	58	56	51	47	44	36	58		
Additional Surface Reflections One	3	3	3	3	3	3	3	3			
Distance 1m - 24m to nearest window	-25	-25	-25	-25	-25	-25	-25	-25			
Façade Correction	3	3	3	3	3	3	3	3			
SPL(A) @1m from receivers façade	47	45	39	37	32	28	25	17	39		
	Design Target at the nearest sensitive window = 40								40		
Additional Screening None	0	0	0	0	0	0	0	0			
SPL(A) @1m from receivers façade	47	45	39	37	32	28	25	17	39		

CONABEARE ACOUSTICS LTD CALCULATION SHEET

<u>Notes</u>

Calculations are to the nearest sound sensitive window in the flats opposite the rear elevation of the property No allowance has been made for any noise/vibration transfer through the structure

Operating hours of plant: Mon - Sat 09:00 to 18:00 & Sun 10:00 to 16:00

Header information for the file[1] @CAL114
Device type SVAN 949
Serial No 8572
Internal software version 5.13
File system version 5.12
Original file name @CAL1140
Measurement hour 12:10'44
Measurement day 11/12/09
Device function OCTAVE 1/1
Title text:
Input Microphone
Mic. polarization 0 V
Mic. field correction FREE
Mic. outdoor filter ON
Compensation filter OFF
Measurement range 105 dB
Leg integration
Trig mode OFF
Start delay 1 s
Integration time def 15 m
Repetition cycle Infinity
Number of spectra 1
Octave 1/1 lines 15+3
Octave 1/1 filter Lin
Octave 1/1 in buffer OFF
Number of histograms 3+18
Calibration type Measuremer
Calibration time 12:01'36
Calibration date 11/12/09
Rotation measurement OFF
Profile: #1
Weighting filter A
Detector type Fast
Buffer contents definition None
Calibration factor 3.3 dB
Calibration lactor 3.3 up



Main	results:
1 VICANI I	roouno.

File	Date	Start	Filter	Detect	Time	units	Leq (A)	L1 dB(A)	L10 dB(A)	L90 dB(A)
@CAL1140	11/12/09	12:10'44	Α	Fast	00:15'00	dB	57.4	67.4	58.9	53.4
@CAL1141	11/12/09	12:25'44	Α	Fast	00:15'00	dB	54.7	60.6	55.9	52.6
@CAL1142	11/12/09	12:40'44	Α	Fast	00:15'00	dB	55.3	63.0	56.3	52.8
@CAL1143	11/12/09	12:55'44	Α	Fast	00:15'00	dB	55.2	61.7	56.8	52.3
@CAL1144	11/12/09	13:10'44	Α	Fast	00:15'00	dB	54.9	61.5	57.5	51.5
@CAL1145	11/12/09	13:25'44	Α	Fast	00:15'00	dB	55.8	62.8	56.9	52.5
@CAL1146	11/12/09	13:40'44	Α	Fast	00:15'00	dB	59.9	69.5	62.8	53.5
@CAL1147	11/12/09	13:55'44	Α	Fast	00:15'00	dB	63.2	74.7	60.8	52.9
@CAL1148	11/12/09	14:10'44	Α	Fast	00:15'00	dB	57.0	64.9	59.2	53.3
@CAL1149	11/12/09	14:25'44	Α	Fast	00:15'00	dB	56.2	64.6	57.6	51.9
@CAL1150	11/12/09	14:40'44	Α	Fast	00:15'00	dB	55.9	64.5	57.8	52.0
@CAL1151	11/12/09	14:55'44	Α	Fast	00:15'00	dB	58.2	67.5	60.1	53.1
@CAL1152	11/12/09	15:10'44	Α	Fast	00:15'00	dB	55.7	61.4	58.5	52.3
@CAL1153	11/12/09	15:25'44	Α	Fast	00:15'00	dB	54.7	60.1	56.7	52.1
@CAL1154	11/12/09	15:40'44	Α	Fast	00:15'00	dB	55.5	61.5	58.3	52.3
@CAL1155	11/12/09	15:55'44	Α	Fast	00:15'00	dB	56.6	65.7	58.8	52.0
@CAL1156	11/12/09	16:10'44	Α	Fast	00:15'00	dB	56.6	64.1	59.8	51.7
@CAL1157	11/12/09	16:25'44	Α	Fast	00:15'00	dB	57.0	65.4	60.1	51.3
@CAL1158	11/12/09	16:40'44	Α	Fast	00:15'00	dB	55.5	63.9	58.5	51.3
@CAL1159	11/12/09	16:55'44	Α	Fast	00:15'00	dB	54.6	61.1	56.1	50.8
@CAL1160	11/12/09	17:10'44	Α	Fast	00:15'00	dB	56.9	68.4	55.9	50.9
@CAL1161	11/12/09	17:25'44	Α	Fast	00:15'00	dB	54.1	62.1	55.9	50.6
@CAL1162	11/12/09	17:40'44	Α	Fast	00:15'00	dB	57.2	66.4	55.9	50.7
@CAL1163	11/12/09	17:55'44	A	Fast	00:15'00	dB	54.8	64.2	55.9	51.1
@CAL1164	11/12/09	18:10'44	Α	Fast	00:15'00	dB	55.7	64.0	57.7	51.5
@CAL1165	11/12/09	18:25'44	A	Fast	00:15'00	dB	56.5	64.3	59.7	52.0

Main_results:	_	-		_				= /		
File	Date	Start	Filter	Detect	Time	units	Leq (A)	L1 dB(A)	L10 dB(A)	L90 dB(A)
@CAL1166	11/12/09	18:40'44	A	Fast	00:15'00	dB	55.4	61.5	57.9	52.1
@CAL1167	11/12/09	18:55'44	A	Fast	00:15'00	dB	55.4	63.6	57.3	51.5
@CAL1168	11/12/09	19:10'44	A	Fast	00:15'00	dB	57.0	67.8	59.7	51.7
@CAL1169	11/12/09	19:25'44	Α	Fast	00:15'00	dB	56.2	64.7	58.2	51.0
@CAL1170	11/12/09	19:40'44	Α	Fast	00:15'00	dB	55.1	61.9	57.3	50.6
@CAL1171	11/12/09	19:55'44	Α	Fast	00:15'00	dB	54.6	60.8	56.9	50.8
@CAL1172	11/12/09	20:10'44	Α	Fast	00:15'00	dB	53.9	62.1	55.3	50.9
@CAL1173	11/12/09	20:25'44	Α	Fast	00:15'00	dB	53.1	58.7	54.9	49.7
@CAL1174	11/12/09	20:40'44	Α	Fast	00:15'00	dB	53.4	60.1	55.1	50.2
@CAI 1175	11/12/09	20:55'44	A	Fast	00:15'00	dB	56.6	69.2	57.0	50.4
@CAI 1176	11/12/09	21.10'44	A	Fast	00:15'00	dB	54.6	63.6	56.9	50.2
@CAI 1177	11/12/09	21.25'44	A	Fast	00:15'00	dB	53.3	60.7	55.2	49.8
@CAL 1178	11/12/09	21:40'44	Δ	Fast	00:15'00	dB	54.7	62.6	57.2	50.0
@CAL1179	11/12/00	21:55'44	Δ	Fast	00:15'00	dB	58.2	70.0	58.9	49.5
@CAL1180	11/12/00	21:00 44	Δ	Fact	00:15'00	dB	60.6	71.8	61.0	40.6
@CAL1100	11/12/09	22.1044	~	Fact	00:15'00		60.1	71.0	64.0	49.0 50.1
@CAL1101	11/12/09	22.2344	A	Fast	00:15:00	dD	60.0	71.4	61.2	50.1
@CALITOZ	11/12/09	22.40 44	A	Fasi	00.1500	uD dD	50.0 52.5	72.0	61.3	30.2
@CAL1183	11/12/09	22:55 44	A	Fast	00:15:00	uБ	53.5	62.8	54.9	48.9
@CAL1184	11/12/09	23:10:44	A	Fast	00:15:00	aB	54.7	64.8	54.4	49.5
@CAL1185	11/12/09	23:25:44	A	Fast	00:15:00	aB	52.7	58.7	54.5	49.7
@CAL1186	11/12/09	23:40'44	A	Fast	00:15'00	dB	54.8	64.5	55.9	48.9
@CAL1187	11/12/09	23:55'44	A	Fast	00:15'00	dB	54.2	61.6	57.4	49.8
@CAL1188	12/12/09	00:10'44	A	Fast	00:15'00	dB	54.1	61.7	57.7	48.6
@CAL1189	12/12/09	00:25'44	A	Fast	00:15'00	dB	52.5	59.9	54.4	48.5
@CAL1190	12/12/09	00:40'44	A	Fast	00:15'00	dB	51.9	57.4	54.2	48.7
@CAL1191	12/12/09	00:55'44	A	Fast	00:15'00	dB	51.5	56.9	53.6	48.2
@CAL1192	12/12/09	01:10'44	Α	Fast	00:15'00	dB	50.6	54.9	52.7	47.5
@CAL1193	12/12/09	01:25'44	Α	Fast	00:15'00	dB	52.9	59.2	55.7	48.2
@CAL1194	12/12/09	01:40'44	Α	Fast	00:15'00	dB	52.5	58.8	54.9	48.8
@CAL1195	12/12/09	01:55'44	Α	Fast	00:15'00	dB	52.3	58.6	54.6	48.6
@CAL1196	12/12/09	02:10'44	Α	Fast	00:15'00	dB	53.1	59.1	55.9	48.9
@CAL1197	12/12/09	02:25'44	Α	Fast	00:15'00	dB	52.6	58.7	55.2	48.3
@CAL1198	12/12/09	02:40'44	Α	Fast	00:15'00	dB	56.3	63.0	60.4	50.1
@CAL1199	12/12/09	02:55'44	Α	Fast	00:15'00	dB	58.2	63.6	61.6	50.6
@CAL1200	12/12/09	03:10'44	Α	Fast	00:15'00	dB	56.5	62.6	60.2	49.0
@CAL1201	12/12/09	03:25'44	Α	Fast	00:15'00	dB	54.7	61.4	58.7	47.8
@CAL1202	12/12/09	03:40'44	Α	Fast	00:15'00	dB	54.9	61.5	59.0	47.8
@CAL1203	12/12/09	03:55'44	Α	Fast	00:15'00	dB	51.1	58.9	53.3	46.6
@CAL1204	12/12/09	04:10'44	Α	Fast	00:15'00	dB	50.5	58.7	53.7	45.1
@CAL1205	12/12/09	04:25'44	Α	Fast	00:15'00	dB	55.9	62.9	60.1	48.5
@CAL1206	12/12/09	04:40'44	Α	Fast	00:15'00	dB	55.7	62.4	59.8	48.5
@CAL1207	12/12/09	04:55'44	A	Fast	00:15'00	dB	53.8	61.4	58.1	46.5
@CAI 1208	12/12/09	05:10'44	A	Fast	00:15'00	dB	56.3	62.4	60.3	47.7
@CAI 1209	12/12/09	05:25'44	A	Fast	00:15'00	dB	55.6	61.9	59.4	49.1
@CAL 1210	12/12/09	05:40'44	Δ	Fast	00:15'00	dB	56.0	62.9	60.4	47.4
@CAL1211	12/12/00	05:55'44	Δ	Fast	00:15'00	dB	56.6	62.3	60.2	50.2
@CAL1212	12/12/00	06:10'44	Δ	Fast	00:15'00	dB	55.4	62.3	59.7	48.2
@CAL1212	12/12/00	06:25'44		Fact	00:15'00	dB	52.6	60.8	55.7	40.2
@CAL1213	12/12/09	06:40'44		Fact	00:15'00	dB	53.2	60.7	56.4	47.5
@CAL 1214	12/12/09	06:55'44	Δ Δ	Fact	00.1500	면머	55.2	62.7	60.7	40.∠ ∕0.2
@CAL 1210	12/12/08	07.10'44	Δ Δ	Fact	00.1500	45 GD	50.9	61 5	61.0	
@CAL1210	12/12/09	07:25:44	~	Fact	00.1500	dD	56.0	62.0	60.2	50.2
@CAL1217	12/12/09	07.2044	~	Fast	00.1500	цр ПЪ	50.4	62.3	60.2	50.2
@CAL1218	12/12/09	07.4044	A	Fast	00.1500	dD	50.0	71 7	61.0	51.4
@CAL1219	12/12/09	07:55:44	A	Fast	00.1500	uB	59.7	11.1	61.0	51.4
@CAL1220	12/12/09	00:10'44	A	Fast	00:15:00	uВ	۵۲.۵ ۲7.۵	05.0	01.1	51.9
@CAL1221	12/12/09	08:25:44	A	Fast	00:15:00	aB	57.3	65.1	60.5	51.3
@CAL1222	12/12/09	08:40'44	A	⊢ast	00:15'00	dB	50.5	02.8	59.7	51.9
@CAL1223	12/12/09	08:55 44	A	Fast	00:15:00	aB	57.0	64.1	59.7	52.2
@CAL1224	12/12/09	09:10:44	A	Fast	00:15:00	αB	58.1	68.2	60.1	52.3
@CAL1225	12/12/09	09:25'44	A	⊢ast	00:15'00	dB	59.4	67.6	61.6	53.5
@CAL1226	12/12/09	09:40'44	A	Fast	00:15'00	dB	61.7	/2.3	63.5	54.0
@CAL1227	12/12/09	09:55'44	A	Fast	00:15'00	dB	64.7	74.3	62.1	53.3
@CAL1228	12/12/09	10:10'44	A	Fast	00:15'00	dB	59.4	70.2	59.1	53.4
@CAL1229	12/12/09	10:25'44	A	Fast	00:15'00	dB	55.8	62.0	57.6	53.1
@CAL1230	12/12/09	10:40'44	A	Fast	00:15'00	dB	58.1	67.4	60.8	53.4
@CAL1231	12/12/09	10:55'44	Α	Fast	00:15'00	dB	54.8	60.6	56.1	52.6
@CAL1232	12/12/09	11:10'44	A	Fast	00:15'00	dB	55.0	60.9	56.8	52.5
@CAL1233	12/12/09	11:25'44	A	Fast	00:15'00	dB	61.7	67.0	62.7	53.7
@CAL1234	12/12/09	11:40'44	A	Fast	00:15'00	dB	59.1	65.2	60.7	53.5

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Main_results:										
File	Date	Start	Filter	Detect	Time	units	Leq (A)	L1 dB(A)	L10 dB(A)	L90 dB(A)
@CAI 1235	12/12/09	11:55'44	Α	Fast	00:15'00	dB	60.4	67.6	58.8	53.2
@CAL1226	12/12/00	12:10:44	^	Fact	00:15'00	dB	56.2	64.6	59.6	52.0
@CAL1230	12/12/09	12.1044	A	Fasi	00.1500	uD E	50.5	04.0	50.0	55.0
@CAL1237	12/12/09	12:25:44	A	Fast	00:15:00	aв	56.4	66.0	58.5	52.7
@CAL1238	12/12/09	12:40'44	A	Fast	00:15'00	dB	56.1	62.3	58.3	52.9
@CAL1239	12/12/09	12:55'44	Α	Fast	00:15'00	dB	55.5	61.0	57.6	52.7
@CAI 1240	12/12/09	13.10/44	Δ	Fast	00.12,00	dB	55.9	61.7	58 3	52.8
@CAL1240	12/12/00	10.10 44		Fast	00:15'00		55.5	60.7	50.5	52.0
@CAL1241	12/12/09	13:25 44	A	Fasi	00.1500	uв	55.5	60.7	57.5	52.9
@CAL1242	12/12/09	13:40'44	A	⊦ast	00:15'00	dB	55.7	62.0	57.5	53.2
@CAL1243	12/12/09	13:55'44	A	Fast	00:15'00	dB	55.3	59.8	57.0	52.7
@CAL1244	12/12/09	14:10'44	Α	Fast	00:15'00	dB	59.3	70.2	60.5	53.3
@CAI 1245	12/12/09	14 25'44	Α	Fast	00.15'00	dB	58.6	68.5	61.2	53.2
@CAL1246	12/12/00	14:40'44	^	Fact	00:15'00	dB	55.9	62.6	59.0	52.4
@CAL1240	12/12/09	14.40 44	A	Fasi	00.1500	uD	51.0	02.0	50.0	52.4
@CAL1247	12/12/09	14:55:44	A	Fast	00:15:00	aв	54.9	59.8	56.7	52.4
@CAL1248	12/12/09	15:10'44	A	Fast	00:15'00	dB	54.8	60.4	56.0	52.2
@CAL1249	12/12/09	15:25'44	Α	Fast	00:15'00	dB	59.3	69.9	58.8	52.6
@CAI 1250	12/12/09	15:40'44	Α	Fast	00.15'00	dB	57.3	64 4	60.3	53.3
@CAL1251	12/12/00	15:55'44	^	Fact	00:15'00	dB	55.0	61.9	56.5	52.3
@CAL1251	12/12/09	10.0044	A	Fasi	00.1500	uD	51.0	01.0	50.0	52.5
@CAL1252	12/12/09	16:10:44	A	Fast	00:15:00	aв	54.9	61.2	56.8	52.1
@CAL1253	12/12/09	16:25'44	A	Fast	00:15'00	dB	54.9	62.0	56.5	51.9
@CAL1254	12/12/09	16:40'44	A	Fast	00:15'00	dB	53.9	59.5	55.3	51.5
@CAI 1255	12/12/09	16:55'44	Α	Fast	00:15'00	dB	55.2	62.3	57.1	52.0
@CAL 1256	12/12/00	17.10'44	Δ	Fact	00:15:00	dB	54.3	58.8	55.0	52.0
@OAL4057	12/12/03	17.1044	~	Fact	00.1500		54.5	50.0 66.5	55.3	52.1
WUAL1257	12/12/09	17.25.44	A	Fast	00:15:00	uВ	50.9	6.00	50.8	52.4
@CAL1258	12/12/09	17:40'44	A	⊦ast	00:15'00	dB	55.9	65.3	57.0	52.3
@CAL1259	12/12/09	17:55'44	Α	Fast	00:15'00	dB	59.1	67.3	61.0	52.6
@CAL1260	12/12/09	18:10'44	Α	Fast	00:15'00	dB	60.1	73.1	60.0	52.1
@CAI 1261	12/12/09	18:25'44	Α	Fast	00:15'00	dB	57.5	65.5	59.7	51.6
@CAL1262	12/12/00	18:40'44	Δ	Fact	00:15'00	dB	56.0	62.3	50.1	51.6
@CAL1202	12/12/09	10.40 44	~	Tast	00.1500		50.0	02.3	53.4	51.0
@CAL1263	12/12/09	18:55 44	A	Fast	00:15:00	aв	55.3	60.8	56.9	52.1
@CAL1264	12/12/09	19:10'44	A	Fast	00:15'00	dB	55.2	65.8	55.8	51.2
@CAL1265	12/12/09	19:25'44	Α	Fast	00:15'00	dB	54.0	60.4	55.3	50.4
@CAL1266	12/12/09	19:40'44	Α	Fast	00:15'00	dB	53.5	58.3	55.0	50.2
@CAI 1267	12/12/09	19:55'44	Α	Fast	00.15'00	dB	53.4	59.8	54.8	50.1
@CAL1268	12/12/00	20:10/44	Δ	Fact	00:15'00	dB	53.0	59.6	54.2	40.3
@CAL1200	12/12/09	20.1044	~	T ast	00.1500		53.0	59.0	59.0	49.5
@CAL1269	12/12/09	20:25 44	A	Fast	00:15:00	aB	52.6	59.5	53.8	49.1
@CAL1270	12/12/09	20:40'44	A	Fast	00:15'00	dB	56.2	68.9	56.9	49.2
@CAL1271	12/12/09	20:55'44	A	Fast	00:15'00	dB	51.8	55.8	53.7	49.0
@CAL1272	12/12/09	21:10'44	Α	Fast	00:15'00	dB	53.5	62.2	55.5	49.0
@CAI 1273	12/12/09	21 25'44	Α	Fast	00.15'00	dB	53.6	61.9	55.0	49.3
@CAL1274	12/12/00	21:40'44	^	Fact	00:15'00	dB	60.0	74.2	56.0	40.4
@CALIZ74	12/12/09	21.4044	A	Fasi	00.1500	uD	00.0	74.2	50.9	49.4
@CAL1275	12/12/09	21:55 44	A	Fast	00:15'00	dB	55.4	65.9	56.4	49.4
@CAL1276	12/12/09	22:10'44	A	Fast	00:15'00	dB	58.2	70.7	60.0	49.5
@CAL1277	12/12/09	22:25'44	Α	Fast	00:15'00	dB	57.7	68.1	61.7	50.2
@CAI 1278	12/12/09	22:40'44	Α	Fast	00:15'00	dB	55.1	64.6	57.6	50.1
@CAI 1279	12/12/09	22.55'44	Δ	Fast	00.15'00	dB	58.3	72.0	58.0	50.2
@CAL1219	12/12/03	22.00 44	~	Fact	00:15:00	35	50.5 E4 0	62.0	50.0 FC F	10.2
@CAL1280	12/12/09	23:10:44	A	Fasi	00.1500	uв	54.2	02.8	00.0	49.5
@CAL1281	12/12/09	23:25'44	A	⊦ast	00:15'00	dB	54.9	61.2	57.7	50.7
@CAL1282	12/12/09	23:40'44	A	Fast	00:15'00	dB	55.7	62.8	59.6	49.7
@CAL1283	12/12/09	23:55'44	A	Fast	00:15'00	dB	55.5	61.7	58.9	50.3
@CAL1284	13/12/09	00:10'44	Α	Fast	00:15'00	dB	55.0	61.1	58.4	49.9
@CAI 1285	13/12/00	00.25'44	Δ	Fact	00.15'00	dR	55.4	61 9	58.6	50.5
@CAL1200	12/12/00	00.20 44	^	East	00:15:00		56.7	62.4	50.0	50.0
@CAL1200	13/12/09	00.40 44	~	Fast	00.1500	uD	50.0	02.4	53.0	10.4
@CAL1287	13/12/09	00:55'44	A	⊦ast	00:15'00	dB	53.9	61.2	57.2	49.0
@CAL1288	13/12/09	01:10'44	Α	Fast	00:15'00	dB	52.0	58.5	53.5	48.8
@CAL1289	13/12/09	01:25'42	A	Fast	00:15'00	dB	52.2	58.4	54.8	47.9
@CAL1290	13/12/09	01:40'42	Α	Fast	00:15'00	dB	52.6	58.9	54.9	48.4
@CAI 1201	13/12/09	01:55'42	Δ	Fast	00.12.00	dB	51.1	55.6	52.9	48.1
@CAL1201	13/12/00	02.10/42	Λ Λ	Fact	00:15:00	년 고	5/ 2	61.2	57.9	40.1
@CAL4000	13/12/09	02.1042	~	Fast	00.1500		J4.Z	01.2	51.0	+9.0
@CAL1293	13/12/09	02:25:42	A	rast	00:15:00	aв	54.4	8.00	51.1	49.0
@CAL1294	13/12/09	02:40'42	A	⊦ast	00:15'00	dB	54.0	60.8	57.5	49.1
@CAL1295	13/12/09	02:55'42	Α	Fast	00:15'00	dB	54.8	61.4	58.5	49.1
@CAL1296	13/12/09	03:10'42	Α	Fast	00:15'00	dB	53.9	60.7	57.3	48.8
@CAI 1297	13/12/09	03:25'42	Α	Fast	00:15'00	dB	50.7	57.6	53.2	46.5
@CAL 120P	13/12/00	03.40.42	Δ	Fact	00:15:00	dB	53.1	62.1	55.2	10.0
@CAL 4000	12/12/08	03.40.42	^	Fact	00.1500	dD	53.1 F0 7	E0.0	55.0	47.0
CAL1299	13/12/09	03.55.42	A	Fast	00:15:00	uВ	52.7	59.8	0.00	47.8
@CAL1300	13/12/09	04:10'42	A	⊦ast	00:15'00	dB	56.3	63.2	60.4	49.1
@CAL1301	13/12/09	04:25'42	Α	Fast	00:15'00	dB	53.5	61.5	57.4	47.3
@CAL1302	13/12/09	04:40'42	Α	Fast	00:15'00	dB	52.4	60.8	55.4	47.2
@CAI 1303	13/12/09	04:55'42	Α	Fast	00:15'00	dB	53.5	61.6	57.6	47 1
3.5.121000		IL					50.0	50	55	

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Main_results:										
File	Date	Start	Filter	Detect	Time	units	Leq (A)	L1 dB(A)	L10 dB(A)	L90 dB(A)
@CAL1304	13/12/09	05:10'42	Α	Fast	00:15'00	dB	55.1	62.6	59.4	46.7
@CAL1305	13/12/09	05:25'42	Α	Fast	00:15'00	dB	55.0	62.8	59.4	47.0
@CAI 1306	13/12/09	05:40'42	Α	Fast	00:15'00	dB	53.5	61.1	57.2	48.0
@CAL1307	13/12/09	05:55'42	Δ	Fast	00.15'00	dB	51.0	58.7	53.8	46.4
@CAL1209	12/12/00	06:10'42	A	Fact	00:15'00	dB	51.0	60.1	54.2	47.2
@CAL1300	13/12/09	00.1042	A	Fasi	00.1500		51.7	57.0	54.2	47.5
@CAL1309	13/12/09	06:25:42	A	Fast	00:15:00	dB	50.6	57.9	52.8	46.5
@CAL1310	13/12/09	06:40'42	A	Fast	00:15'00	dB	51.5	58.9	54.0	47.2
@CAL1311	13/12/09	06:55'42	A	Fast	00:15'00	dB	52.8	60.3	56.2	47.3
@CAL1312	13/12/09	07:10'42	Α	Fast	00:15'00	dB	53.1	61.1	56.2	47.3
@CAL1313	13/12/09	07:25'42	Α	Fast	00:15'00	dB	55.2	62.5	59.3	47.7
@CAL1314	13/12/09	07:40'42	Α	Fast	00:15'00	dB	55.1	63.5	59.0	48.6
@CAI 1315	13/12/09	07:55'42	Α	Fast	00.15'00	dB	57.9	64.6	62.2	49.6
@CAL 1316	13/12/09	08.10'42	Δ	Fast	00:15'00	dB	55.0	62.8	59.2	48.3
@CAL1217	12/12/00	00.10 42	A	Foot	00:15'00	dD	55.0	62.0	50.2	40.0
@CALISI7	13/12/09	06.2342	A	Fasi	00.1500	UD	55.7	03.3	59.2	49.9
@CAL1318	13/12/09	08:40:42	A	Fast	00:15:00	aв	54.5	61.9	57.3	50.3
@CAL1319	13/12/09	08:55'42	A	⊦ast	00:15'00	dB	58.8	66.0	63.4	50.5
@CAL1320	13/12/09	09:10'42	Α	Fast	00:15'00	dB	57.2	64.5	61.4	51.1
@CAL1321	13/12/09	09:25'42	Α	Fast	00:15'00	dB	56.9	64.7	60.9	51.4
@CAL1322	13/12/09	09:40'42	Α	Fast	00:15'00	dB	57.1	63.7	60.8	51.8
@CAI 1323	13/12/09	09:55'42	А	Fast	00:15'00	dB	59.3	68.2	62.6	52.1
@CAL 132/	13/12/00	10.10/42	Δ	Fact	00.15'00	4P	56.5	63.2	60.4	51 1
@CAL 1324	12/12/09	10.1042	~	Fact	00.1500		50.5 E4 4	61.6	60.4 E6 0	E1 0
@CAL1325	13/12/09	10.25.42	Â	Fast	00.1500	UB	54.4	0.10	2.00	51.2
@CAL1326	13/12/09	10:40'42	A	⊦ast	00:15'00	dB	55.0	62.3	56.6	51.3
@CAL1327	13/12/09	10:55'42	A	Fast	00:15'00	dB	55.2	61.2	57.5	52.3
@CAL1328	13/12/09	11:10'42	A	Fast	00:15'00	dB	56.0	64.5	58.2	52.5
@CAL1329	13/12/09	11:25'42	Α	Fast	00:15'00	dB	56.4	65.3	57.6	52.2
@CAL1330	13/12/09	11:40'42	Α	Fast	00:15'00	dB	55.5	64.6	57.3	51.9
@CAI 1331	13/12/09	11:55'42	A	Fast	00.15'00	dB	55.1	64.5	56.0	51.7
@CAL 1332	13/12/09	12.10/42	Δ	Fast	00:15'00	dB	54.8	63.7	56.0	51.4
@CAL1222	12/12/00	12:10 42	^	Fact	00:15'00	dD	55.9	62.1	55.0	51.4
@CAL1333	13/12/09	12.2042	A 	Fast	00.1500	dD dD	55.0	02.1	55.9	51.4
@CAL1334	13/12/09	12:40 42	A	Fasi	00.1500	UD	55.2	61.3	57.4	52.1
@CAL1335	13/12/09	12:55 42	A	Fast	00:15'00	dB	53.9	58.6	55.5	51.9
@CAL1336	13/12/09	13:10'42	A	Fast	00:15'00	dB	54.4	61.0	56.5	51.3
@CAL1337	13/12/09	13:25'42	A	Fast	00:15'00	dB	55.0	64.0	56.6	51.4
@CAL1338	13/12/09	13:40'42	A	Fast	00:15'00	dB	57.7	63.8	56.6	51.3
@CAL1339	13/12/09	13:55'42	Α	Fast	00:15'00	dB	56.6	63.0	59.7	52.1
@CAL1340	13/12/09	14:10'42	Α	Fast	00:15'00	dB	55.4	60.6	57.5	52.8
@CAL1341	13/12/09	14:25'42	Α	Fast	00:15'00	dB	56.1	64.0	58.7	51.9
@CAI 1342	13/12/09	14.40,42	Α	Fast	00.15'00	dB	54 7	61.6	57.9	50.5
@CAI 1343	13/12/09	14.55'42	Δ	Fast	00.15'00	dB	55.6	62.2	59.0	51.0
@CAL 1344	13/12/00	15:10/42	Δ	Fact	00:15'00	dB	58.1	67.4	57.0	50.7
@CAL1344	12/12/09	15.10 42	~	Fast	00:15'00		57.0	69.4	57.0	50.7
@CAL1345	13/12/09	15:25 42	A	Fast	00.1500	UD ID	57.9	08.4	59.8	50.8
@CAL1346	13/12/09	15:40:42	A	Fast	00:15:00	aв	55.2	64.6	56.5	50.0
@CAL1347	13/12/09	15:55'42	A	⊦ast	00:15'00	dB	55.7	63.2	58.6	51.1
@CAL1348	13/12/09	16:10'42	A	Fast	00:15'00	dB	62.2	66.9	64.9	55.3
@CAL1349	13/12/09	16:25'42	Α	Fast	00:15'00	dB	62.7	68.0	65.3	56.6
@CAL1350	13/12/09	16:40'42	Α	Fast	00:15'00	dB	62.5	75.1	63.2	53.4
@CAI 1351	13/12/09	16:55'42	Α	Fast	00:15'00	dB	57.4	64.2	60.7	53.2
@CAI 1352	13/12/09	17:10'42	Α	Fast	00:15'00	dB	58.3	68.1	60.7	53.4
@CAL 1252	13/12/00	17.25'42	Δ	Fact	00.15'00	리	57.0	63.9	60.0	50.4 52.0
@CAL 1303	12/12/09	17.40/42	~	Fact	00.1500		51.3	62.4	60.0	53.0 E2 2
@CAL1354	13/12/09	17:40:42	A	Fast	00.1500		58.0	03.1	00.4	53.3
@CAL1355	13/12/09	17:55:42	A	rast	00:15:00	aB	57.2	01.8	59.7	52.3
@CAL1356	13/12/09	18:10'42	A	⊦ast	00:15'00	dB	56.9	62.7	59.6	52.3
@CAL1357	13/12/09	18:25'42	Α	Fast	00:15'00	dB	54.2	61.3	56.3	51.0
@CAL1358	13/12/09	18:40'42	A	Fast	00:15'00	dB	54.7	62.9	56.8	50.9
@CAL1359	13/12/09	18:55'42	Α	Fast	00:15'00	dB	56.1	62.4	55.5	49.6
@CAI 1360	13/12/09	19:10'42	А	Fast	00:15'00	dB	55.7	66.5	57.5	50.4
@CAI 1361	13/12/09	19.25'42	A	Fast	00:15'00	dB	53.1	58.1	54.9	50.0
@CAL 1362	13/12/00	10.20 42	Δ	Fact	00.15'00	dB B	53.7	61.2	54.0	10 2
@CAL 1302	13/12/03	10.55'42	~	Fact	00.1500	리	55.1	62.0	54.5 E6 E	= - - - - - - - - - - -
@CAL1303	13/12/09	19.00 42	A	Fast	00.1500		54.0	02.9	50.5	50.7
@CAL1364	13/12/09	20:10:42	A	Fast	00:15:00	aB	54.3	60.9	57.0	0.00
@CAL1365	13/12/09	20:25'42	A	⊦ast	00:15'00	dB	54.0	60.6	56.9	49.6
@CAL1366	13/12/09	20:40'42	A	Fast	00:15'00	dB	56.2	63.9	60.1	49.8
@CAL1367	13/12/09	20:55'42	A	Fast	00:15'00	dB	56.8	68.2	59.3	50.1
@CAL1368	13/12/09	21:10'42	Α	Fast	00:15'00	dB	54.8	62.8	58.2	48.6
@CAL1369	13/12/09	21:25'42	Α	Fast	00:15'00	dB	55.7	65.0	58.7	49.7
@CAI 1370	13/12/09	21:40'42	A	Fast	00:15'00	dB	54.4	63.7	56.8	49.0
@CAI 1371	13/12/00	21.55'42	Δ	Fact	00.15'00	AP 8	56.8	67.0	59.2	48.7
@CAL 1272	13/12/00	21.00 42	~	Fact	00.15'00	성 고 고	60.9	75.0	60.2	40.0
WUALI312	13/12/09	22.1042	А	rdSl	00.1500	uD	00.0	10.2	00.5	49.9

Main_results:										
File	Date	Start	Filter	Detect	Time	units	Leq (A)	L1 dB(A)	L10 dB(A)	L90 dB(A)
@CAL1373	13/12/09	22:25'42	Α	Fast	00:15'00	dB	54.2	62.3	57.4	49.6
@CAL1374	13/12/09	22:40'42	Α	Fast	00:15'00	dB	59.9	69.3	63.9	50.4
@CAL1375	13/12/09	22:55'42	Α	Fast	00:15'00	dB	52.6	60.5	55.3	47.7
@CAL1376	13/12/09	23:10'42	Α	Fast	00:15'00	dB	54.0	62.8	56.4	47.2
@CAL1377	13/12/09	23:25'42	Α	Fast	00:15'00	dB	56.9	64.7	61.3	49.1
@CAL1378	13/12/09	23:40'42	Α	Fast	00:15'00	dB	58.0	65.9	62.3	49.7
@CAL1379	13/12/09	23:55'42	Α	Fast	00:15'00	dB	55.2	62.9	59.4	47.8
@CAL1380	14/12/09	00:10'42	Α	Fast	00:15'00	dB	53.5	61.9	57.4	46.5
@CAL1381	14/12/09	00:25'42	Α	Fast	00:15'00	dB	56.1	63.3	60.4	47.7
@CAL1382	14/12/09	00:40'42	Α	Fast	00:15'00	dB	55.4	62.5	59.6	48.0
@CAL1383	14/12/09	00:55'42	Α	Fast	00:15'00	dB	50.4	58.8	52.8	45.6
@CAL1384	14/12/09	01:10'42	Α	Fast	00:15'00	dB	54.8	62.7	59.5	46.3
@CAL1385	14/12/09	01:25'42	Α	Fast	00:15'00	dB	54.9	62.5	59.5	45.6
@CAL1386	14/12/09	01:40'42	Α	Fast	00:15'00	dB	52.0	62.0	55.2	45.4
@CAL1387	14/12/09	01:55'42	Α	Fast	00:15'00	dB	54.5	62.8	59.1	44.6
@CAL1388	14/12/09	02:10'42	Α	Fast	00:15'00	dB	53.3	62.7	58.0	43.4
@CAL1389	14/12/09	02:25'42	Α	Fast	00:15'00	dB	49.3	60.0	51.7	42.4
@CAL1390	14/12/09	02:40'42	Α	Fast	00:15'00	dB	48.7	59.5	51.0	41.9
@CAL1391	14/12/09	02:55'42	Α	Fast	00:15'00	dB	56.7	63.9	61.1	46.8
@CAL1392	14/12/09	03:10'42	Α	Fast	00:15'00	dB	52.6	62.8	56.5	42.7
@CAL1393	14/12/09	03:25'42	Α	Fast	00:15'00	dB	58.3	64.7	62.5	48.1
@CAL1394	14/12/09	03:40'42	Α	Fast	00:15'00	dB	58.4	65.7	63.1	45.8
@CAL1395	14/12/09	03:55'42	Α	Fast	00:15'00	dB	58.3	67.6	62.4	47.5
@CAL1396	14/12/09	04:10'42	Α	Fast	00:15'00	dB	57.5	64.4	61.6	48.3
@CAL1397	14/12/09	04:25'42	Α	Fast	00:15'00	dB	57.1	64.7	61.6	48.3
@CAL1398	14/12/09	04:40'42	Α	Fast	00:15'00	dB	55.1	62.9	59.6	46.6
@CAL1399	14/12/09	04:55'42	Α	Fast	00:15'00	dB	53.3	62.8	57.1	46.0
@CAL1400	14/12/09	05:10'42	Α	Fast	00:15'00	dB	50.7	59.8	52.9	45.5
@CAL1401	14/12/09	05:25'42	Α	Fast	00:15'00	dB	53.8	62.4	57.8	47.2
@CAL1402	14/12/09	05:40'42	Α	Fast	00:15'00	dB	56.7	63.9	60.8	49.5
@CAL1403	14/12/09	05:55'42	Α	Fast	00:15'00	dB	55.9	64.1	60.0	48.4
@CAL1404	14/12/09	06:10'42	Α	Fast	00:15'00	dB	55.9	63.5	59.6	49.6
@CAL1405	14/12/09	06:25'42	A	Fast	00:15'00	dB	52.0	58.0	54.1	47.6
@CAL1406	14/12/09	06:40'42	A	Fast	00:15'00	dB	56.6	64.3	60.7	49.6
@CAL1407	14/12/09	06:55'42	Α	Fast	00:15'00	dB	64.9	78.4	64.5	51.5
@CAL1408	14/12/09	07:10'42	Α	Fast	00:15'00	dB	64.2	76.1	66.7	52.5
@CAL1409	14/12/09	07:25'42	A	Fast	00:15'00	dB	65.2	77.5	67.3	53.8
@CAL1410	14/12/09	07:40'42	A	Fast	00:15'00	dB	64.0	74.6	67.4	54.1
@CAL1411	14/12/09	07:55'42	A	Fast	00:15'00	dB	61.7	71.8	64.6	54.1
@CAL1412	14/12/09	08:10'42	Α	Fast	00:15'00	dB	59.1	66.2	62.7	52.7
@CAL1413	14/12/09	08:25'42	A	Fast	00:15'00	dB	61.5	70.1	64.1	55.2
@CAL1414	14/12/09	08:40'42	A	Fast	00:15'00	dB	61.3	68.2	62.0	58.9
@CAL1415	14/12/09	08:55'42	Α	Fast	00:15'00	dB	66.8	77.3	69.8	59.1

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